



Attorney Docket No.: 60021-0013

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Anant Sahai, et al

Confirmation No.: 7231

Application No.: 09/888,338

Group Art Unit: 2121

Filed: June 22, 2001

Examiner: Not Assigned

Title: EXTRACTING FINE-TUNED ESTIMATES FROM CORRELATION FUNCTIONS  
EVALUATED AT A LIMITED NUMBER OF VALUES

PRELIMINARY AMENDMENT

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Prior to examination, please amend the claims as follows:

IN THE CLAIMS:

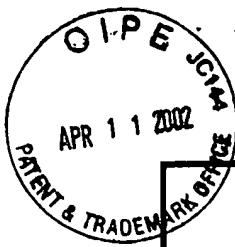
Please add new Claims 42-65 as follows:

1 42. (New) In a position determining system, a method for calculating one or more fine-  
2 grained estimates, wherein said fine-grained estimates are for a signal parameter, and  
3 wherein said signal parameter is for a received signal, the method comprising the steps  
4 of:  
5 receiving said received signal at a receiver;  
6 pre-processing said received signal;  
7 obtaining a set of coarse-grained correlations;  
8 determining a set of fine-grained values of interest;  
9 calculating a set of fine-grained correlations, wherein each said fine-grained  
10 correlation is for one said fine-grained value of interest; and

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PTO/SB/17 (12/99)

Approved for use through 09/30/2000. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.  
Small Entity payments must be supported by a small entity statement,  
otherwise large entity fees must be paid. See Forms PTO/SB/09-12.  
See 37 C.F.R. §§ 1.27 AND 1.28

TOTAL AMOUNT OF PAYMENT (\$ 300.00)

Complete if Known	
Application Number	09/888,338
Filing Date	June 22, 2001
First Named Inventor	Anant Sahai, et al.
Examiner Name	Not Yet Assigned
Group/Art Unit	2121; Confirmation No. 7231
Attorney Docket No.	60021-0013

## METHOD OF PAYMENT (check one)

1.  Throughout the pendency of this application, please charge any additional fees, including any required extension of time fees, and credit all overpayments to deposit account 50-1302. A duplicate of this sheet is enclosed.

Deposit Account Number 50-1302

Deposit Account Name Hickman Palermo Truong & Becker LLP

2.  Payment Enclosed:

Check  Money Order  Other

3.  Applicant(s) is entitled to small entity status.

See 37 CFR 1.27

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
101	740	201	370	Utility filing fee	
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	

SUBTOTAL (1) (\$ 0.00)

### 2. EXTRA CLAIM FEES

Total Claims	Independent Claims	Extra Claims	Fee from Below	Fee Paid
65	41**=	24	X 9.00	= 216.00
10	8***=	2	X 42.00	= 84.00

#### Multiple Dependent

\*\*or number previously paid, if greater; For Reissues, see below

Large Entity	Small Entity	Fee Code (\$)	Fee Description
103	18	203	9 Claims in excess of 20
102	84	202	42 Independent claims in excess of 3
104	280	204	140 Multiple dependent claim, if not paid
109	84	209	42 **Reissue independent claims over original patent
110	18	210	9 **Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 300.00)

### 3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code \$	Fee Code — \$		
105	130	205 65 Surcharge - late filing fee or oath	
127	50	227 25 Surcharge - late provisional filing fee or cover sheet	
139	130	139 130 Non-English specification	
112	920*	112 920* Requesting publication of SIR prior to Examiner action	
113	1,840*	113 1,840* Requesting publication of SIR after Examiner action	
115	110	215 55 Extension for reply within first month	
116	400	216 200 Extension for reply within second month	
117	920	217 460 Extension for reply within third month	
118	1,440	218 720 Extension for reply within fourth month	
128	1,960	228 980 Extension for reply within fifth month	
119	320	219 160 Notice of Appeal	
120	320	220 160 Filing a brief in support of an appeal	
121	280	221 140 Request for oral hearing	
138	1,510	138 1,510 Petition to institute a public use proceeding	
140	110	240 55 Petition to revive - unavoidable	
141	1,280	241 640 Petition to revive - unintentional	
142	1,280	242 640 Utility issue fee (or reissue)	
143	460	243 230 Design issue fee	
144	620	244 310 Plant issue fee	
122	130	122 130 Petitions to the Commissioner	
123	50	123 50 Petitions related to provisional applications	
126	240	126 240 Submission of information Disclosure Stmt	
581	40	581 40 Recording each patent assignment per property (times number of properties)	
146	690	246 345 Filing a submission after final rejection (37 CFR § 1.129(a))	
149	690	249 345 For each additional invention to be examined (37 CFR § 1.129(b))	
Other fee (specify)			
Other fee (specify)			

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 0.00)

## SUBMITTED BY

Complete if applicable

Name (Print/Type)	Brian D. Hickman	Registration No. (Attorney/Agent)	35,894	Telephone	(408) 414-1080
Signature				Date	April 2, 2002

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